LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070319\
Data File : BG041605.D
Acq On : 4 Jul 2019 00:51
Operator : HP/JU
Sample : K3618-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-01-070219

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.567	416	422	431	rBV	181175	307780	2.74%	0.657%
2	7.189	691	698	706	rBV	189505	352413	3.13%	0.753%
3	7.559	752	761	771	rBV	202984	369488	3.29%	0.789%
4	8.029	835	841	851	rVB	126677	226143	2.01%	0.483%
5	8.346	888	895	904	rBV	167526	308181	2.74%	0.658%
6	9.210	1035	1042	1056	rBV2	129103	266685	2.37%	0.569%
7	10.849	1314	1321	1327	rBV	151954	293206	2.61%	0.626%
8	12.506	1597	1603	1612	rVB	74767	127693	1.14%	0.273%
9	12.723	1632	1640	1648	rBV	110297	224710	2.00%	0.480%
10	13.293	1730	1737	1746	rBV	367729	578297	5.14%	1.235%
11	13.452	1755	1764	1769	rBV	76332	116459	1.04%	0.249%
12	13.846	1823	1831	1839	rBV2	66754	177734	1.58%	0.380%
13	13.987	1849	1855	1860	rBV	111534	204428	1.82%	0.437%
14	14.398	1920	1925	1933	rBV2	95969	176425	1.57%	0.377%
15	14.521	1942	1946	1952	rBV	98031	132422	1.18%	0.283%
16	14.674	1962	1972	1977	rBV2	247639	434046	3.86%	0.927%
17	14.739	1977	1983	1989	rVV	72133	118103	1.05%	0.252%
18	15.068	2034	2039	2045	rVB2	133717	243735	2.17%	0.520%
19	15.138	2046	2051	2058	rVB3	62933	113796	1.01%	0.243%
20	15.473	2104	2108	2114	rVB	131240	186195	1.66%	0.398%
21	15.720	2144	2150	2162	rVB	272825	460849	4.10%	0.984%
22	15.878	2168	2177	2181	rVB5	70144	165367	1.47%	0.353%
23	16.166	2220	2226	2232	rBV2	312428	490792	4.37%	1.048%
24	16.337	2250	2255	2266	rBV	141469	275052	2.45%	0.587%
25	16.719	2309	2320	2325	rBV4	66855	176635	1.57%	0.377%
26	17.124	2385	2389	2394	rBV3	128909	170119	1.51%	0.363%
27	17.242	2405	2409	2416	rVB	87604	134731	1.20%	0.288%
28	17.424	2433	2440	2443	rBV2	344872	548727	4.88%	1.172%
29	17.465	2443	2447	2457	rVB	1080194	1665581	14.82%	3.557%
30	17.559	2457	2463	2468	rBV	235078	361640	3.22%	0.772%
31	17.864	2512	2515	2522	rVB	125763	151639	1.35%	0.324%
32	18.052	2542	2547	2552	rVB	2037987	2417398	21.50%	5.162%
33	18.293	2581	2588	2593	rBV2	324528	549770	4.89%	1.174%
34	18.346	2593	2597	2604	rVV	219267	337434	3.00%	0.721%

LSC Area Percent Report

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Operator : HP/JU
Sample : K3618-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-01-070219

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	18.423	2605	2610	2615	rVV	75335	116945	1.04%	0.250%
36	18.493	2615	2622	2626	rVV3	289924	568141	5.05%	1.213%
37	18.558	2630	2633	2637	rVB	110828	136762	1.22%	0.292%
38	18.793	2668	2673	2679	rBV	96855	159418	1.42%	0.340%
39	19.198	2735	2742	2744	rBV	5688519	7420931	66.01%	15.847%
40	19.233	2744	2748	2757	rVV	8231823	11241347	100.00%	24.005%
41	19.351	2763	2768	2773	rBV	1049111	1210257	10.77%	2.584%
42	19.416	2775	2779	2781	rBV	191206	278178	2.47%	0.594%
43	19.445	2781	2784	2786	rVV	499247	680422	6.05%	1.453%
44	19.474	2786	2789	2795	rVB	1097372	1536508	13.67%	3.281%
45	19.557	2800	2803	2810	rVV6	110979	220879	1.96%	0.472%
46	19.715	2826	2830	2835	rBV3	203211	286514	2.55%	0.612%
47	19.803	2840	2845	2847	rBV2	136010	222503	1.98%	0.475%
48	19.839	2847	2851	2858	rVB	982423	1421977	12.65%	3.037%
49	19.903	2858	2862	2868	rVB2	80240	124301	1.11%	0.265%
50	20.021	2877	2882	2887	rBV	722801	944383	8.40%	2.017%
51	20.168	2901	2907	2910	rBV4	117812	219683	1.95%	0.469%
52	20.209	2910	2914	2916	rBV2	136609	145395	1.29%	0.310%
53	20.291	2924	2928	2930	rBV4	133711	205679	1.83%	0.439%
54	20.326	2931	2934	2941	rVB	396311	504079	4.48%	1.076%
55	20.432	2946	2952	2956	rBV2	281670	466134	4.15%	0.995%
56	20.620	2980	2984	2988	rBV	91971	134346	1.20%	0.287%
57	20.667	2989	2992	3000	rVB	130255	223461	1.99%	0.477%
58	20.755	3003	3007	3009	rBV4	79427	121223	1.08%	0.259%
59	21.090	3058	3064	3069	rVB6	97188	208599	1.86%	0.445%
60	21.278	3092	3096	3100	rBV2	93133	162767	1.45%	0.348%
61	21.448	3121	3125	3132	rVB3	128035	190261	1.69%	0.406%
62	21.689	3159	3166	3172	rBV2	512026	1413383	12.57%	3.018%
63	21.742	3172	3175	3182	rVB	353515	561327	4.99%	1.199%
64	21.830	3187	3190	3196	rVB5	89987	138652	1.23%	0.296%
65	22.435	3289	3293	3299	rVB3	130972	215630	1.92%	0.460%
66	22.647	3327	3329	3335	rVB4	75100	114920	1.02%	0.245%
67	23.135	3407	3412	3420	rBV3	87203	196948	1.75%	0.421%
68	23.934	3541	3548	3555	rBV2	276225	823113	7.32%	1.758%
69	24.674	3670	3674	3683	rVB	130819	310549	2.76%	0.663%
70	24.827	3693	3700	3708	rBV	206462	553312	4.92%	1.182%
71	24.985	3721	3727	3734	rVB	190357	485802	4.32%	1.037%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070319\
Data File : BG041605.D
Acq On : 4 Jul 2019 00:51
Operator : HP/JU
Sample : K3618-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-01-070219

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 46828402

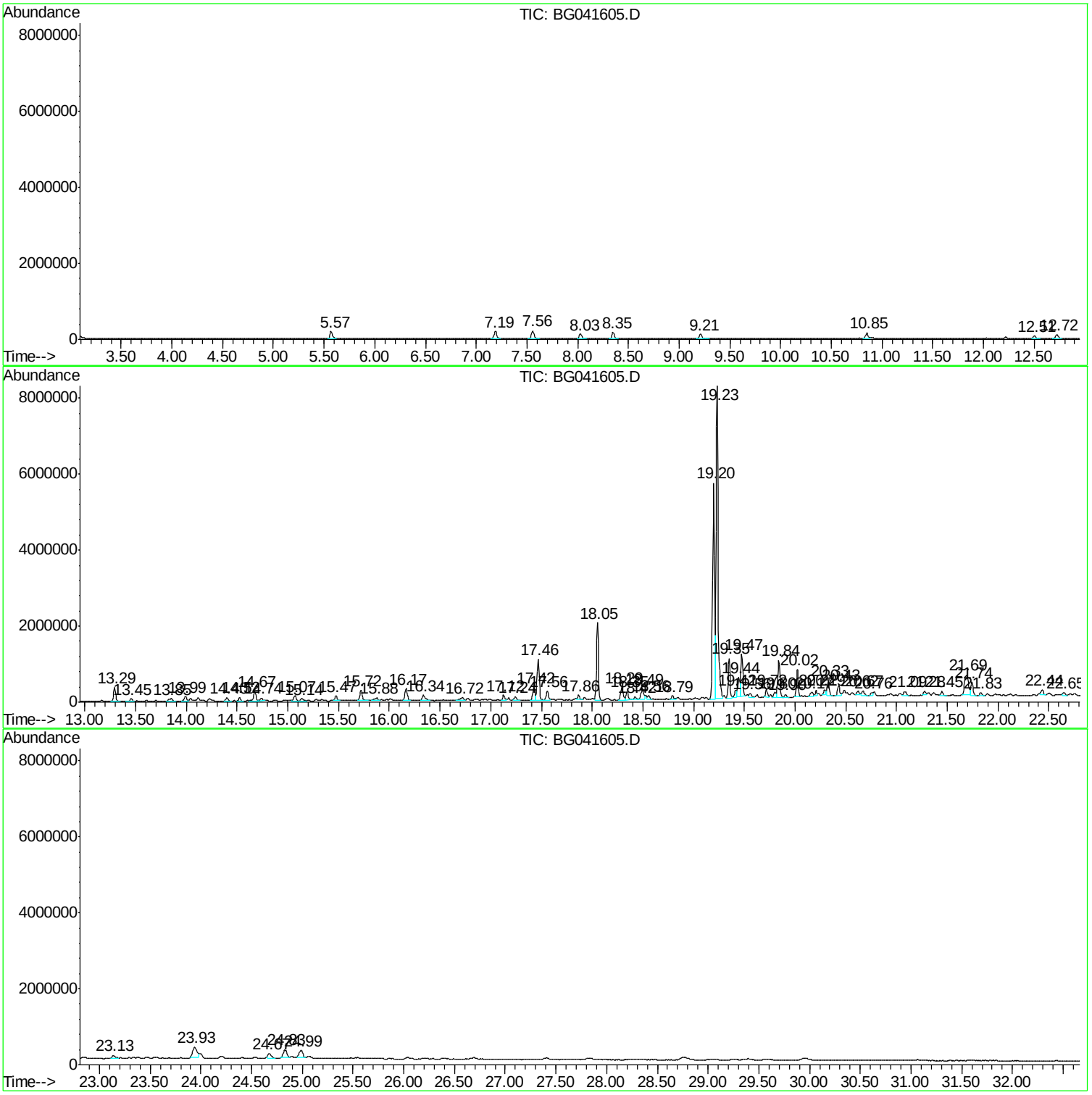
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070319\
Data File : BG041605.D
Acq On : 4 Jul 2019 00:51
Operator : HP/JU
Sample : K3618-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-01-070219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070319\
Data File : BG041605.D
Acq On : 4 Jul 2019 00:51
Operator : HP/JU
Sample : K3618-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-01-070219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

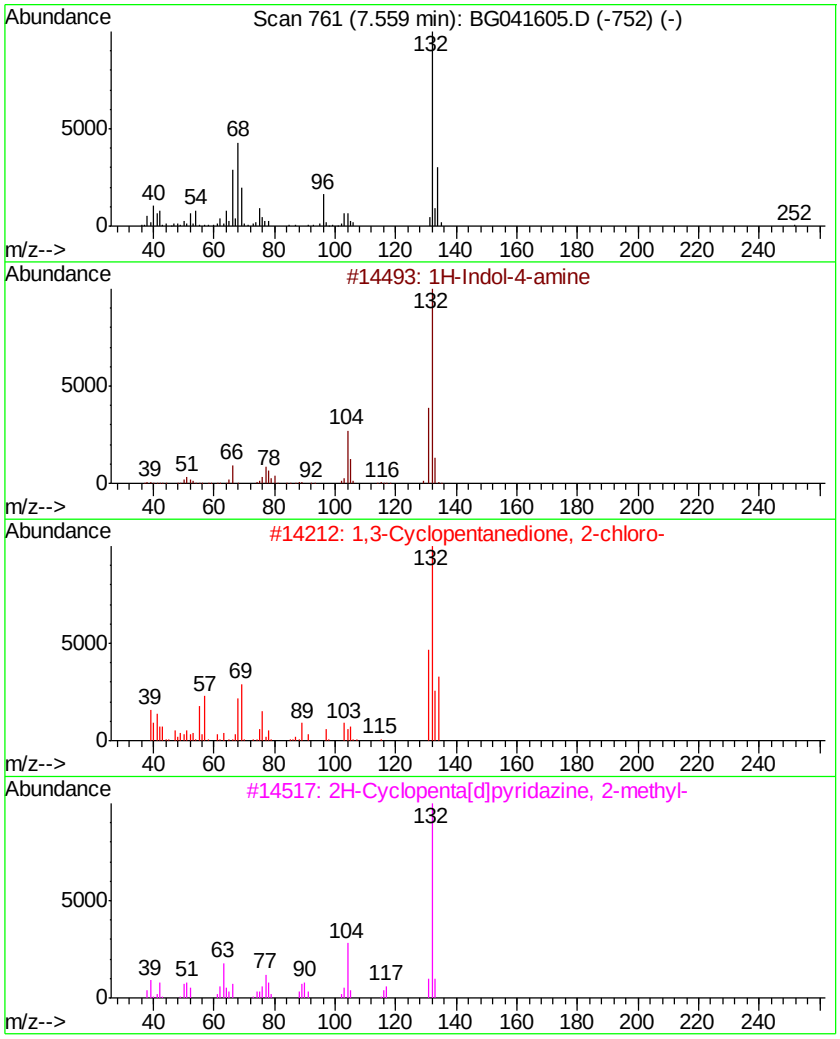
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

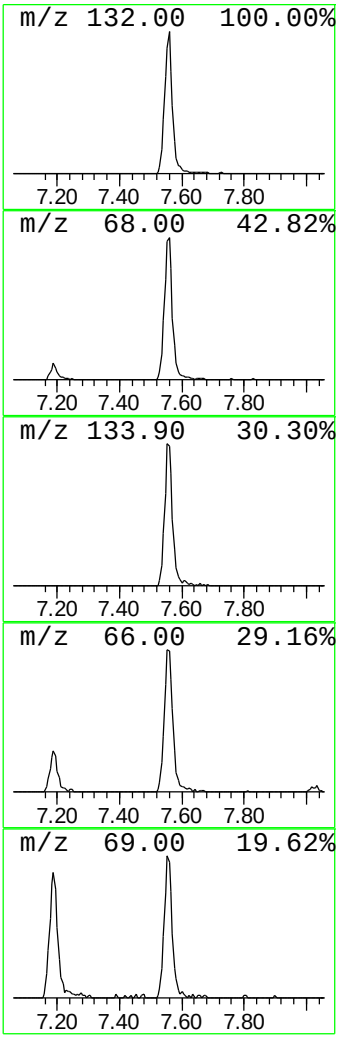
****

Peak Number 1 unknown7.56 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.56	32.68 ng	369488	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indol-4-amine	132	C8H8N2	005192-23-4	40
2	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	32
3	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	22
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
5	Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	22





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070319\
Data File : BG041605.D
Acq On : 4 Jul 2019 00:51
Operator : HP/JU
Sample : K3618-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-01-070219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

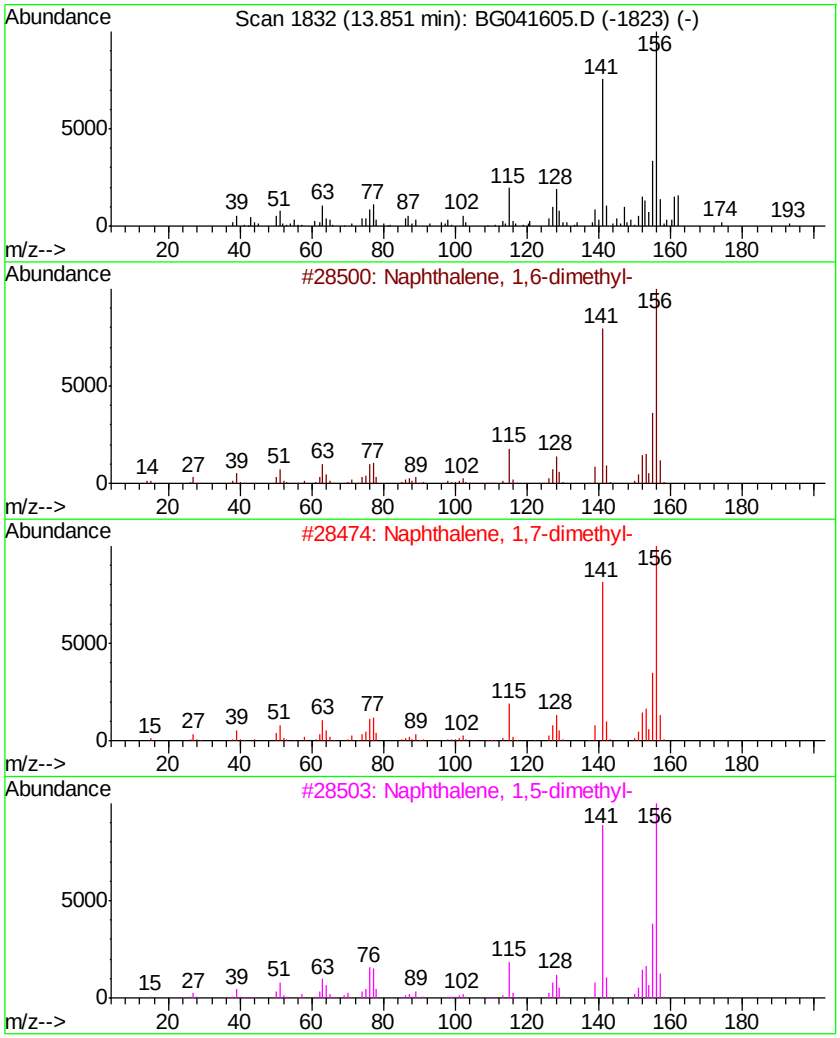
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

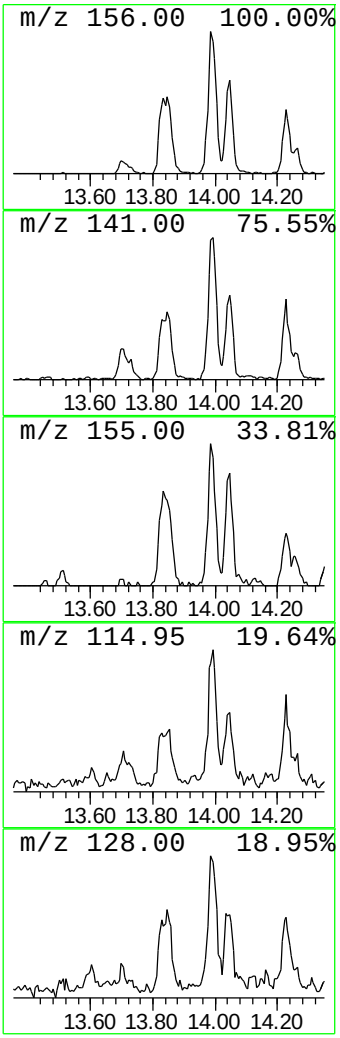
****

Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	8.19 ng	177734	Acenaphthene-d10	14.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070319\
Data File : BG041605.D
Acq On : 4 Jul 2019 00:51
Operator : HP/JU
Sample : K3618-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-01-070219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

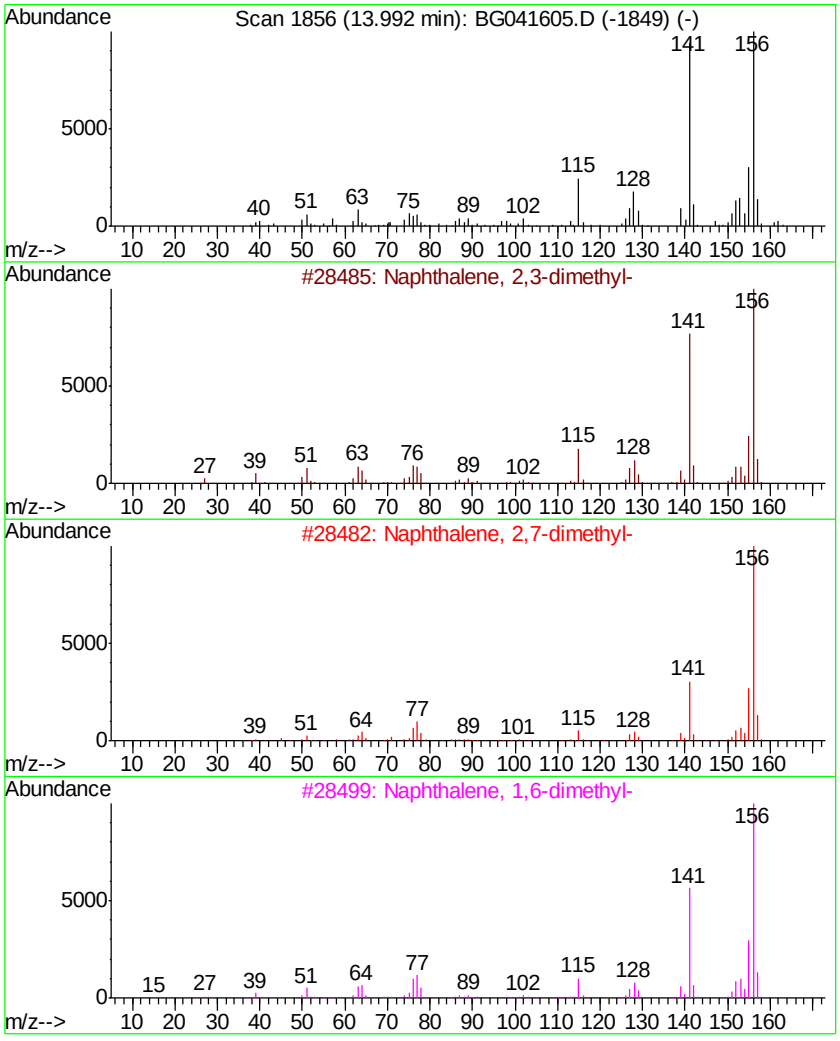
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

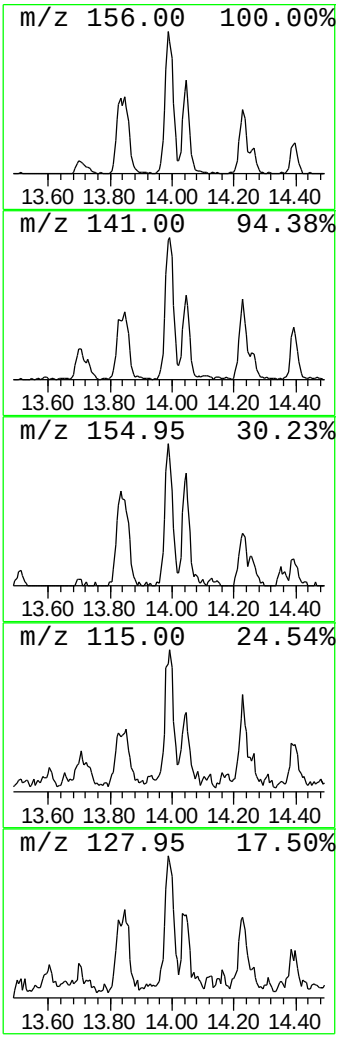
****

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	9.42 ng	204428	Acenaphthene-d10	14.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





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Misc :
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ClientSampleId : HD-01-070219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

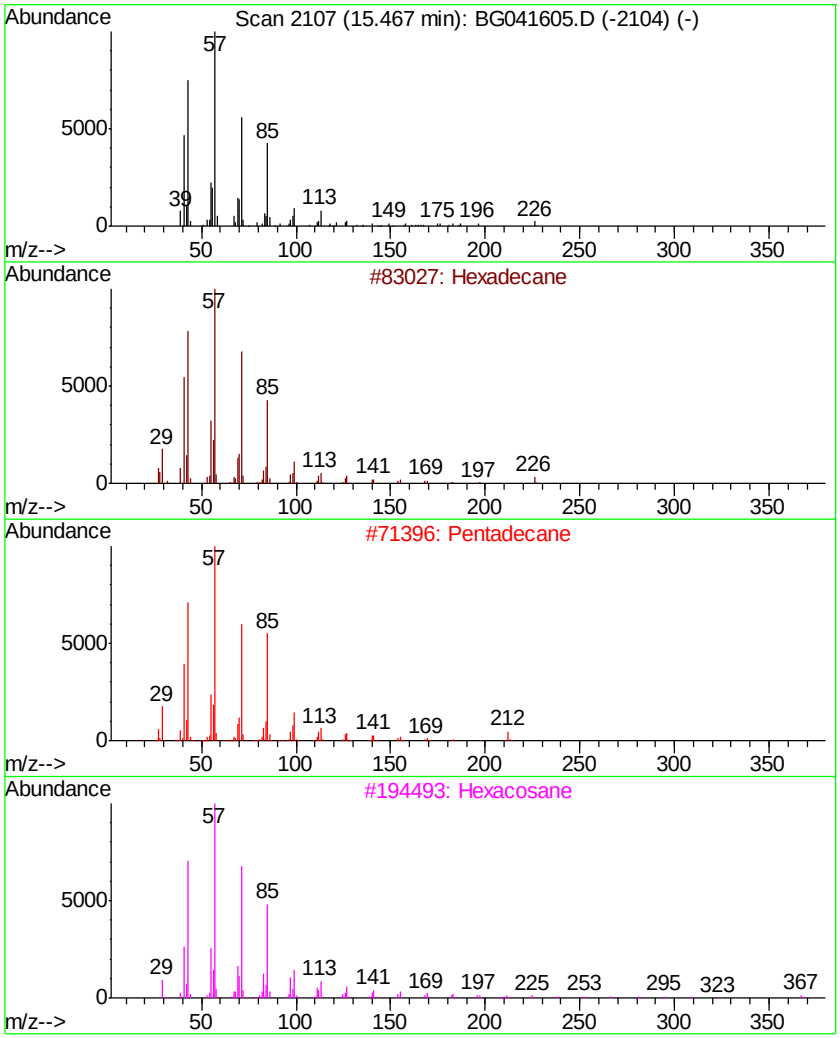
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

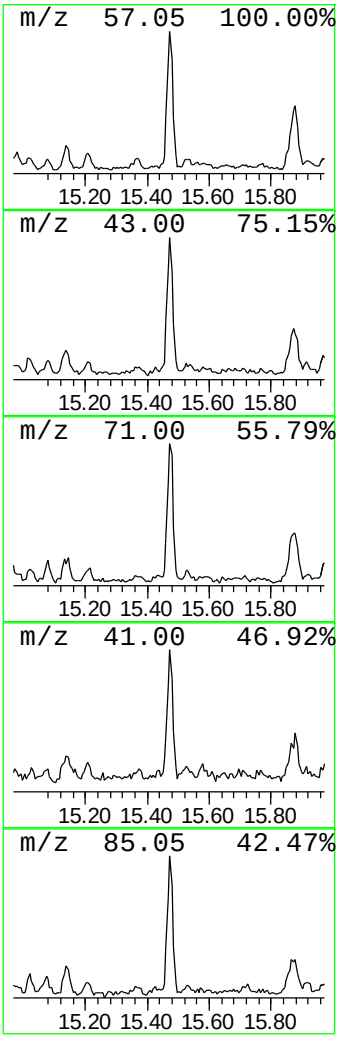
****

Peak Number 5 Hexadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	8.58 ng	186195	Acenaphthene-d10	14.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	96
2	Pentadecane	212	C15H32	000629-62-9	90
3	Hexacosane	366	C26H54	000630-01-3	80
4	10-Methylnonadecane	282	C20H42	056862-62-5	72
5	Octadecane	254	C18H38	000593-45-3	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070319\
Data File : BG041605.D
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Sample : K3618-01 2X
Misc :
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Instrument : BNA_G
ClientSampleId : HD-01-070219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

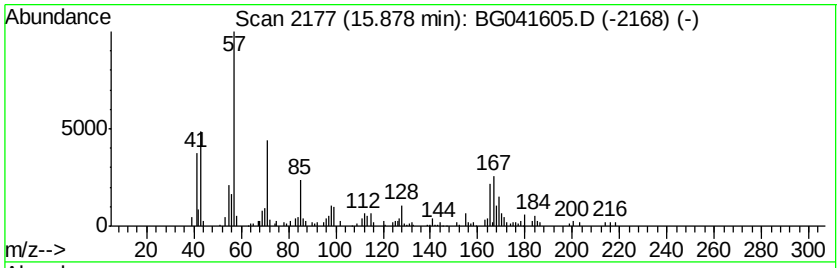
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

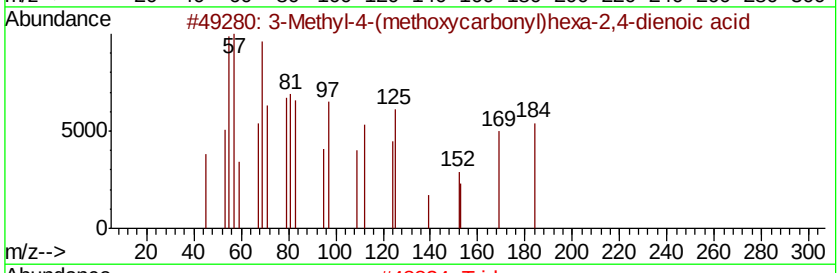
****

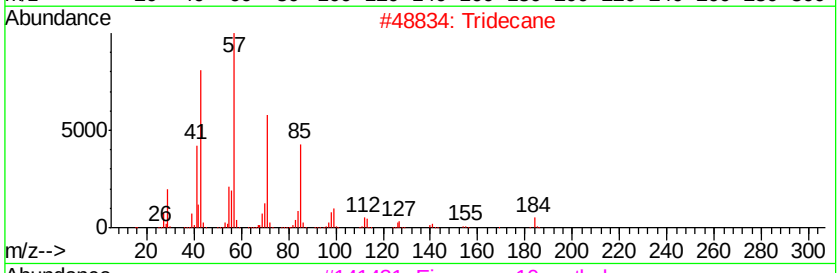
Peak Number 6 3-Methyl-4-(methoxycarbonyl... Concentration Rank 17

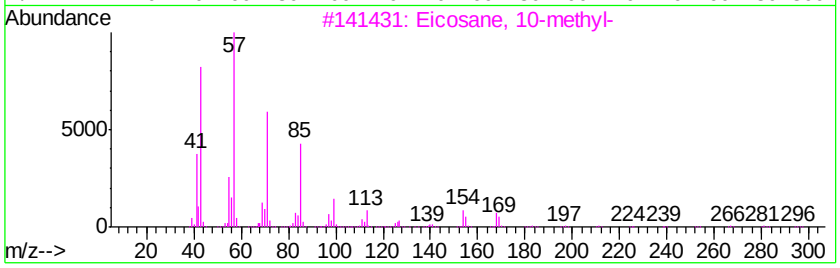
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	7.62 ng	165367	Acenaphthene-d10	14.67

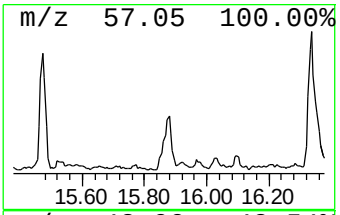
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	91
2	Tridecane	184	C13H28	000629-50-5	50
3	Eicosane, 10-methyl-	296	C21H44	054833-23-7	43
4	Dodecane	170	C12H26	000112-40-3	41
5	Hexadecane	226	C16H34	000544-76-3	38

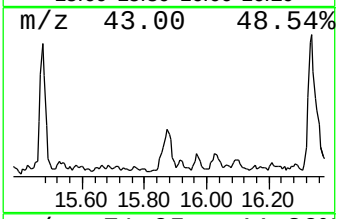


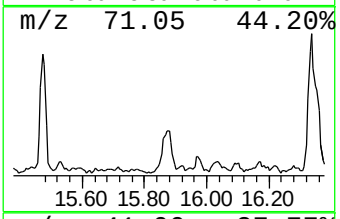


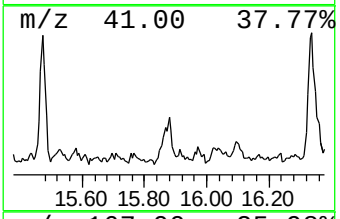


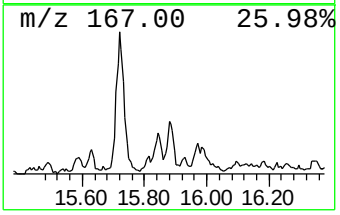












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Acq On : 4 Jul 2019 00:51
Operator : HP/JU
Sample : K3618-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-01-070219

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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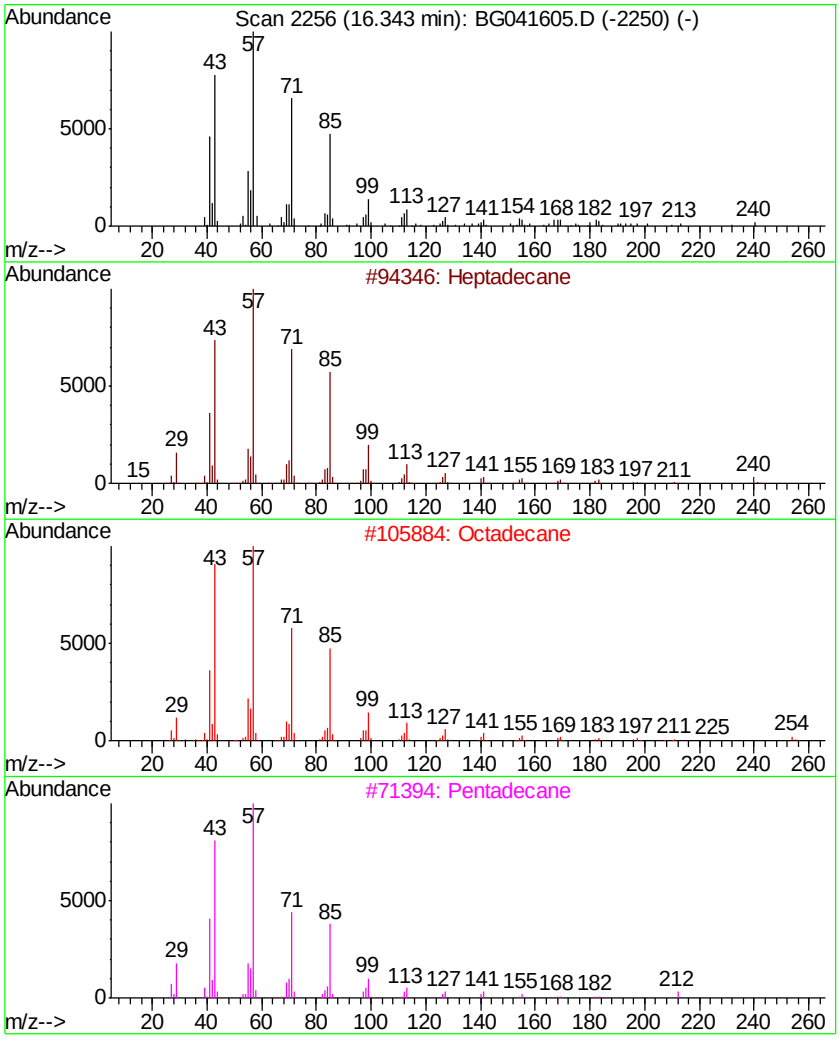
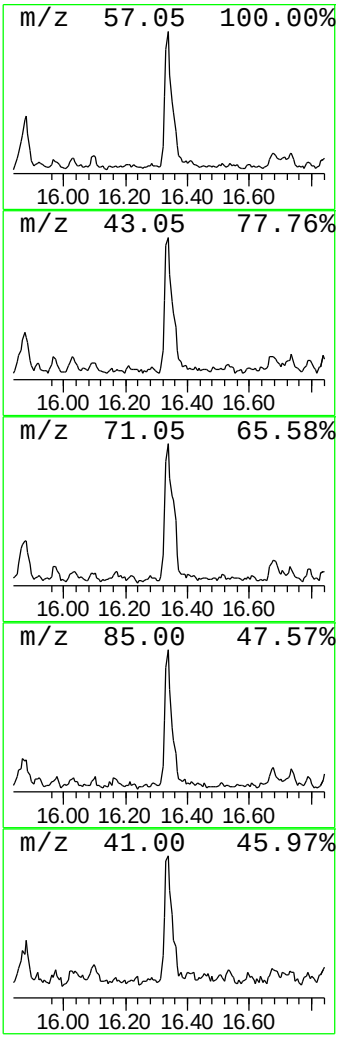
Peak Number 7 Heptadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.34	10.03 ng	275052	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	97
2	Octadecane	254	C18H38	000593-45-3	91
3	Pentadecane	212	C15H32	000629-62-9	90
4	Eicosane	282	C20H42	000112-95-8	87
5	Tetradecane	198	C14H30	000629-59-4	86





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Misc :
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Instrument : BNA_G
ClientSampleId : HD-01-070219

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

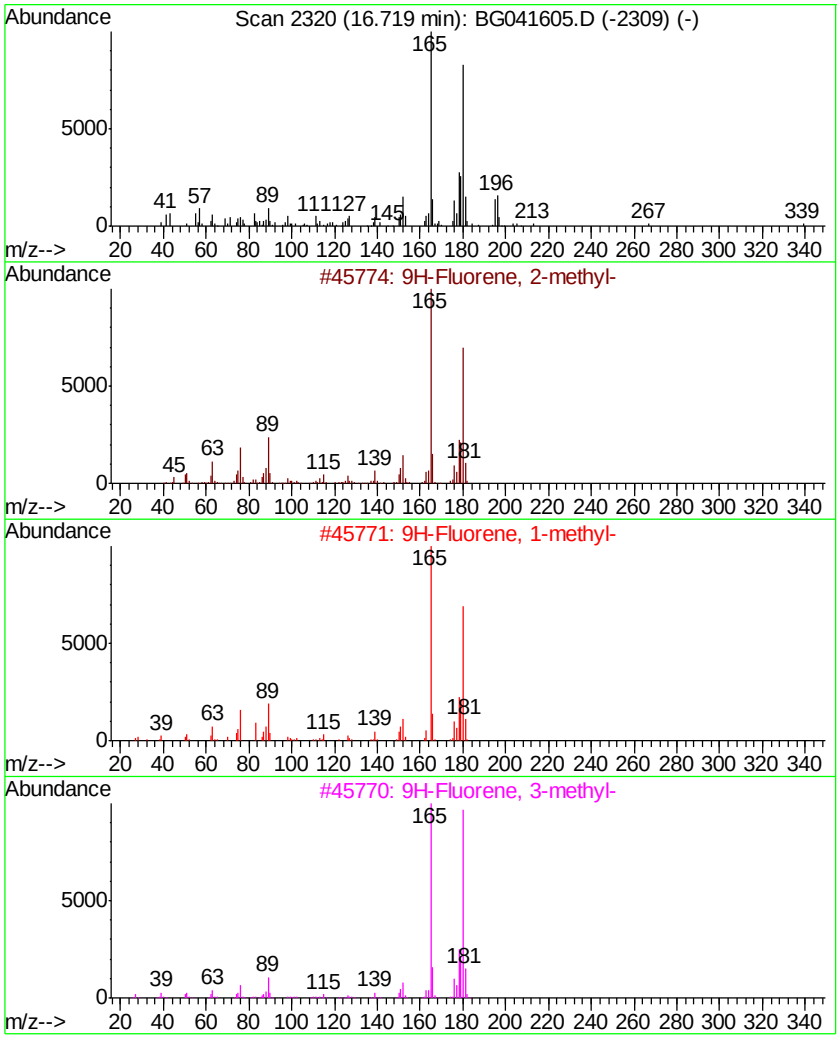
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

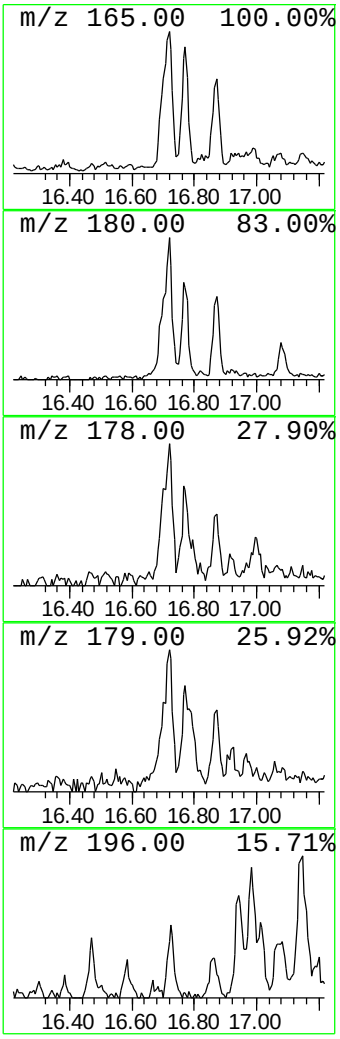
****

Peak Number 8 9H-Fluorene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	6.44 ng	176635	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	74





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Sample : K3618-01 2X
Misc :
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Instrument : BNA_G
ClientSampleId : HD-01-070219

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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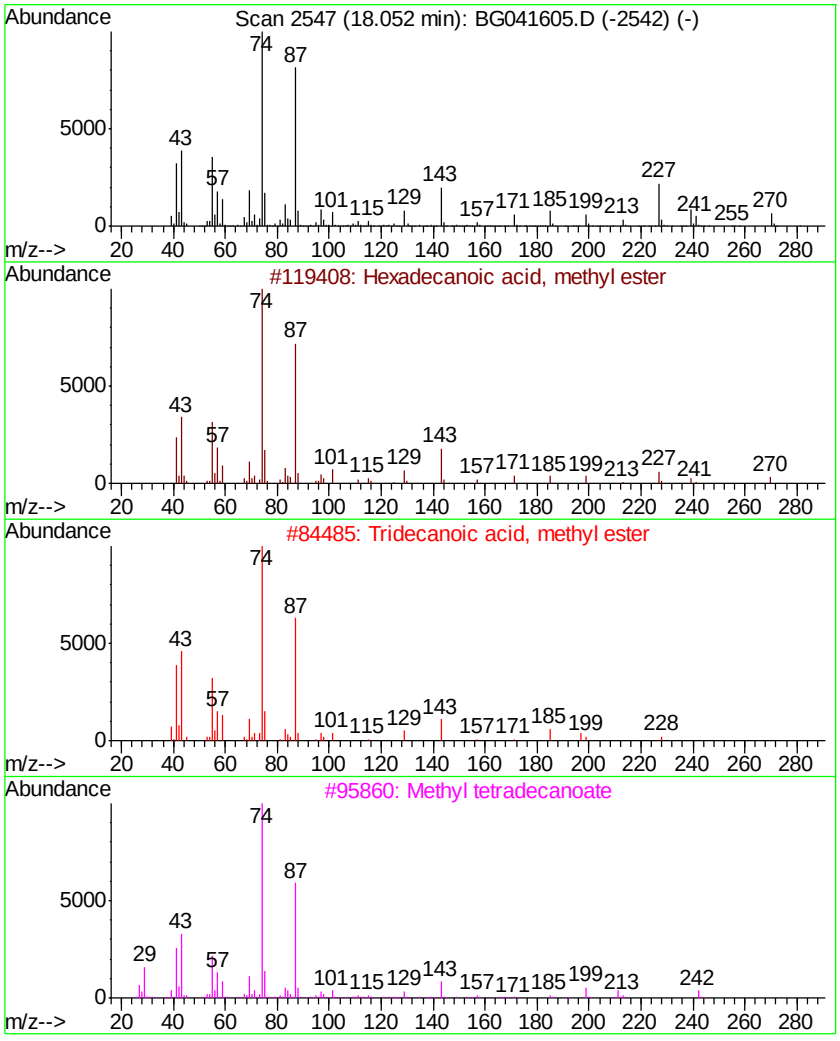
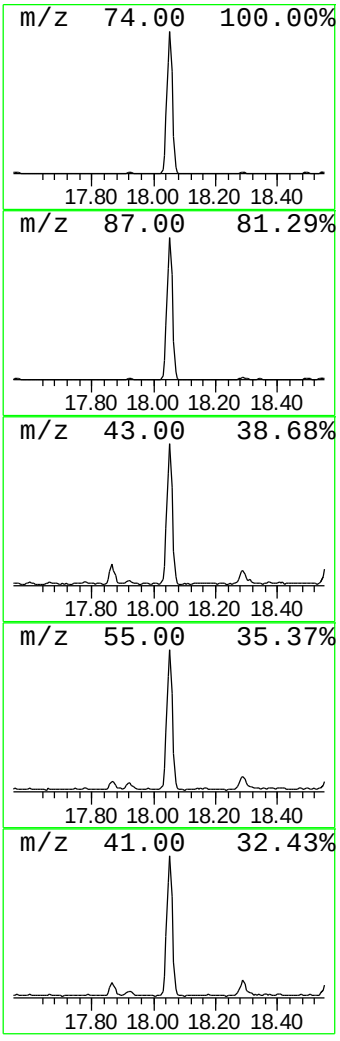
Peak Number 9 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	88.11 ng	2417400	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	97
2	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	95
3	Methyl tetradecanoate	242	C15H30O2	000124-10-7	93
4	Methyl 11-methyl-dodecanoate	228	C14H28O2	1000336-45-1	74
5	Hexadecanoic acid, 2-methyl-	270	C17H34O2	027147-71-3	74





Library Search Compound Report

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Acq On : 4 Jul 2019 00:51
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Sample : K3618-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-01-070219

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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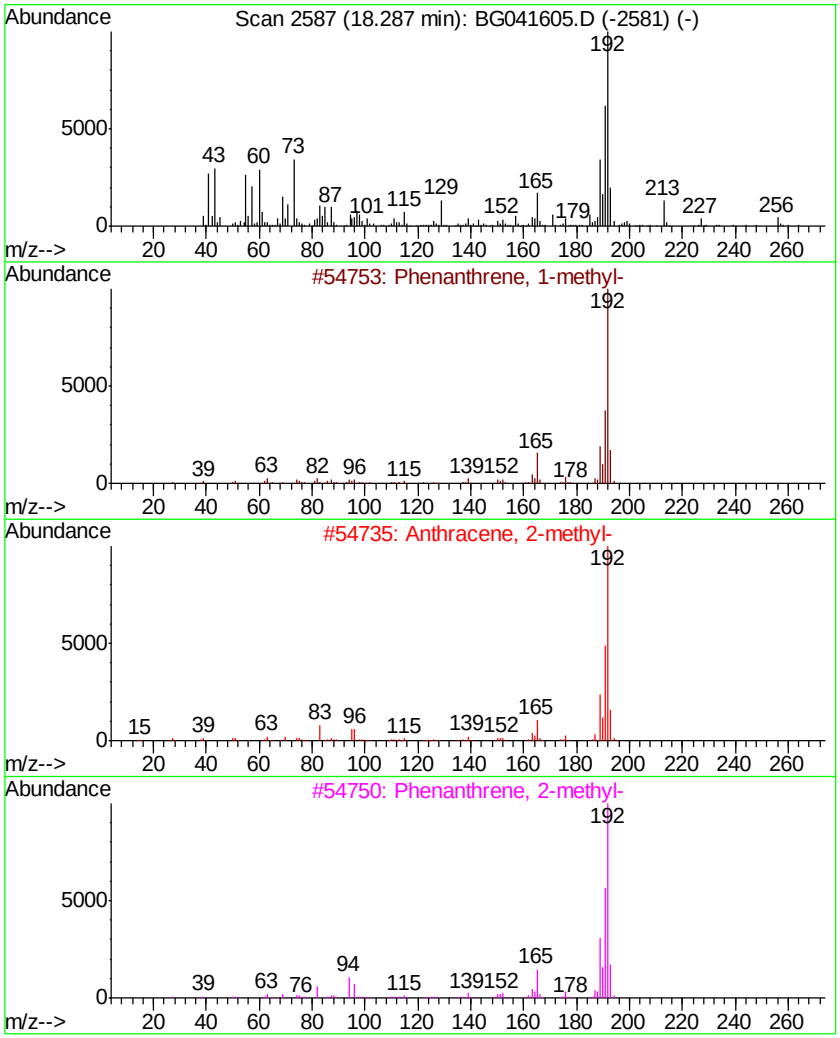
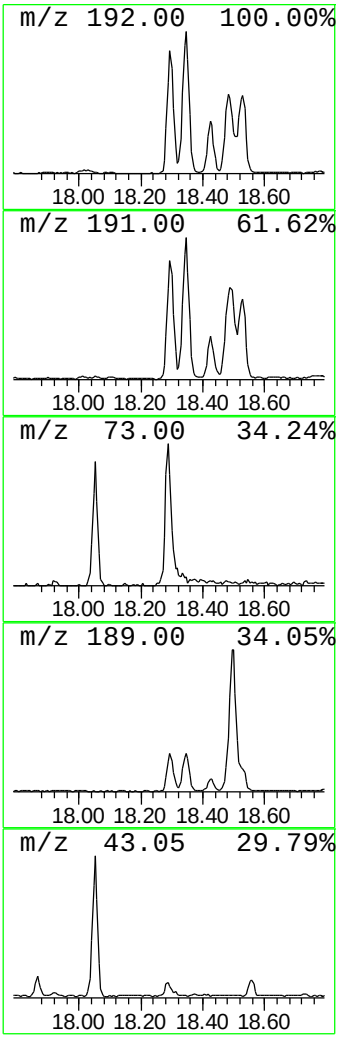
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	20.04 ng	549770	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Sample : K3618-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-01-070219

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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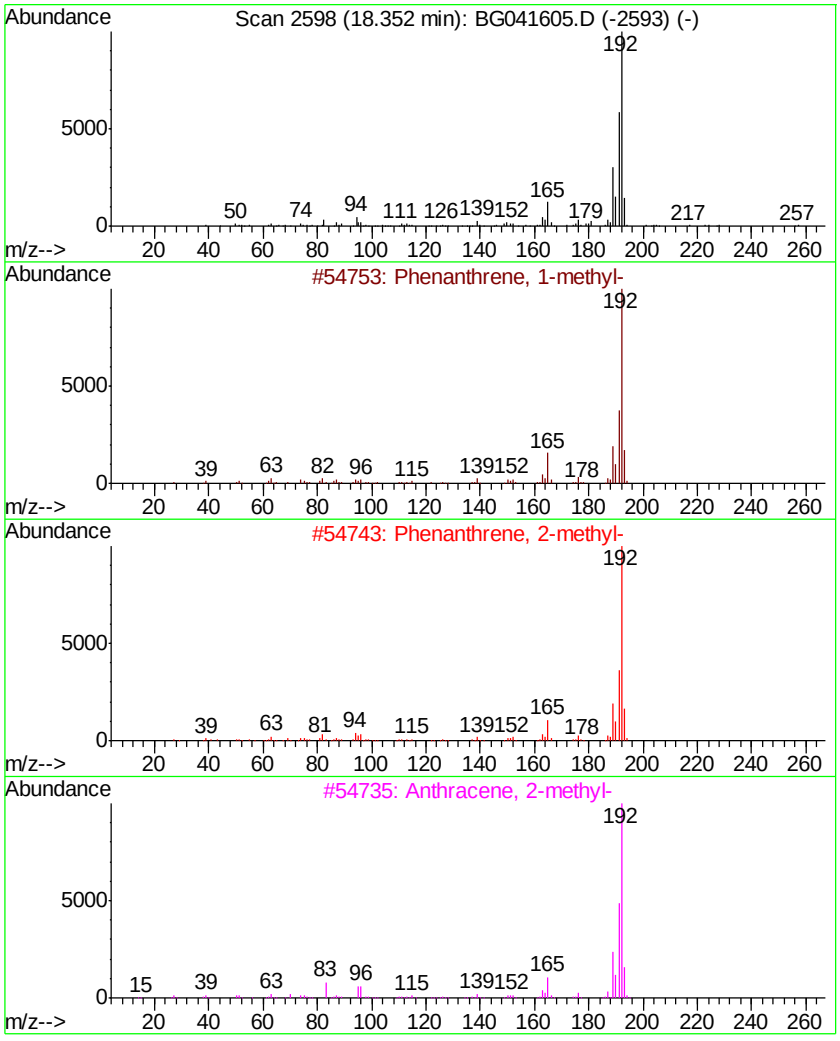
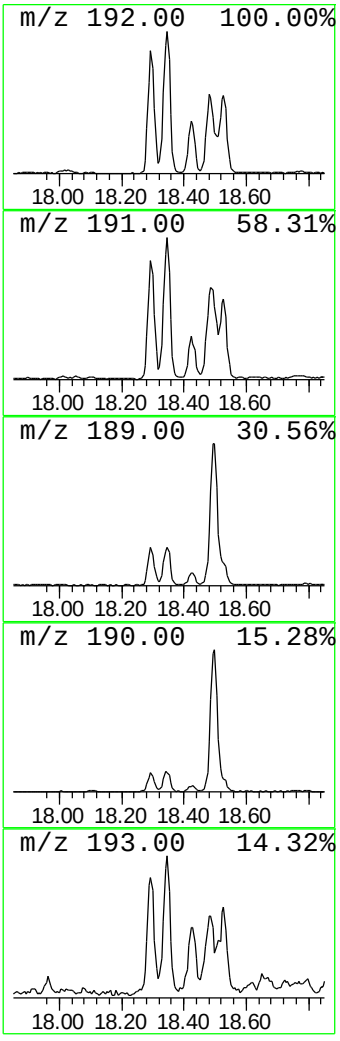
Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	12.30 ng	337434	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Operator : HP/JU
Sample : K3618-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-01-070219

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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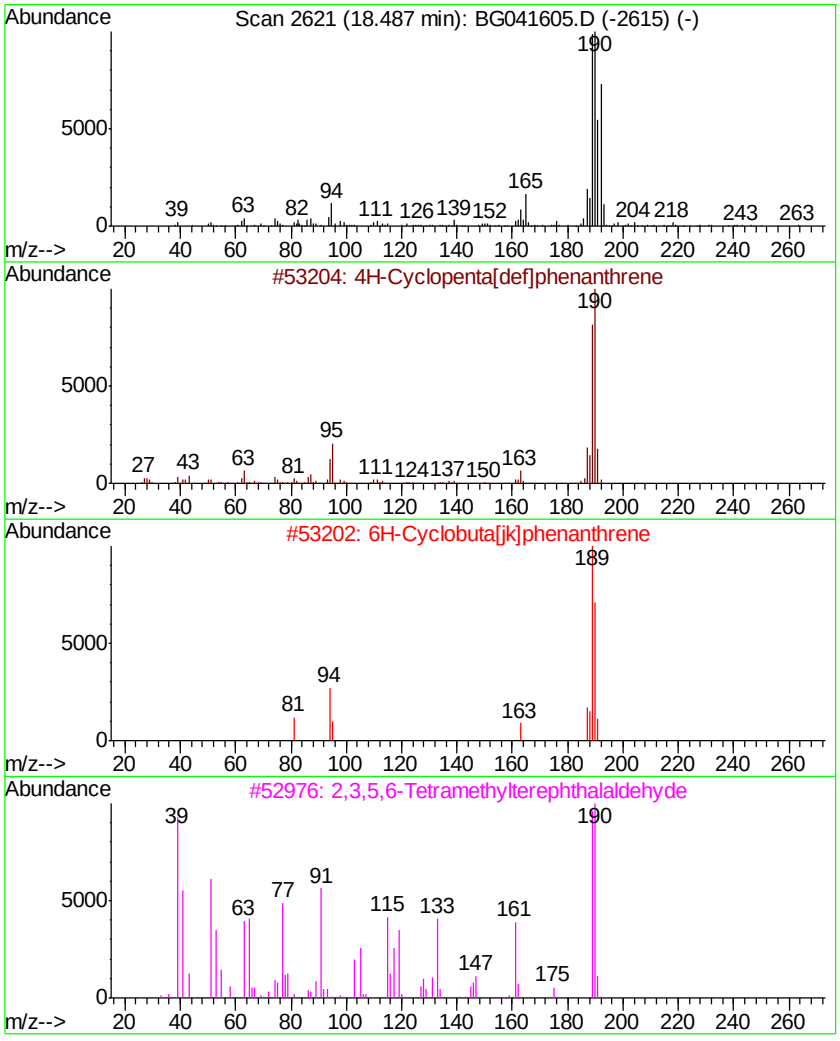
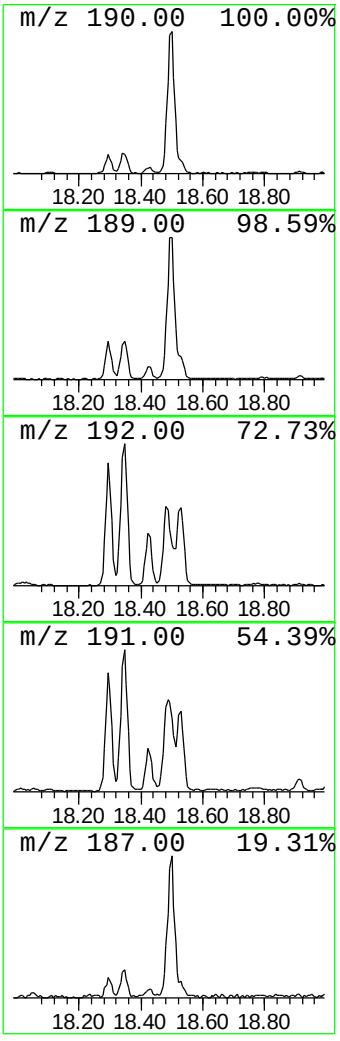
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	20.71 ng	568141	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	36
5	Hydrazinecarboxaldehyde, 2-[3-(m...	190	C4H6N4OS2	038362-25-3	22





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Sample : K3618-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-01-070219

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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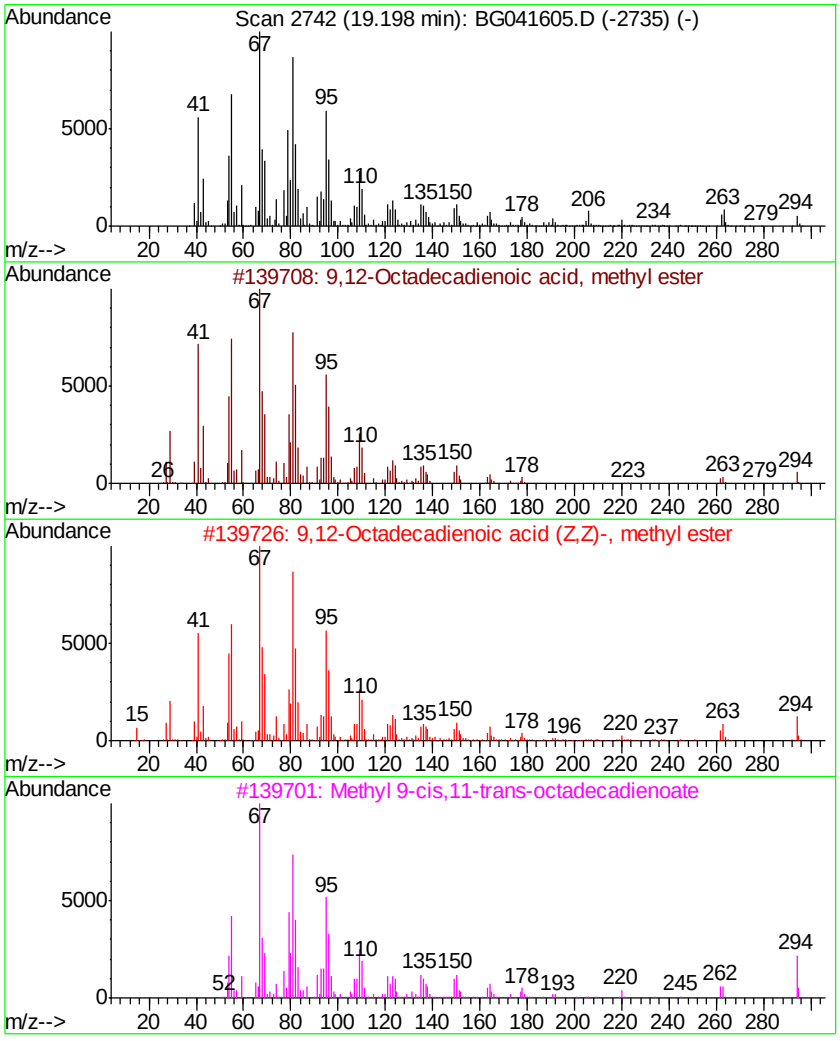
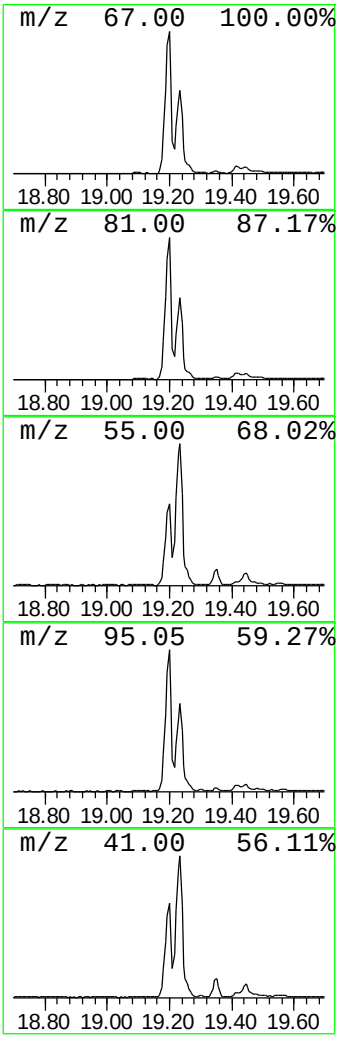
Peak Number 13 9,12-Octadecadienoic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.20	270.48 ng	7420930	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
2	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
3	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	99
4	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
5	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99





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Sample : K3618-01 2X
Misc :
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Instrument : BNA_G
ClientSampleId : HD-01-070219

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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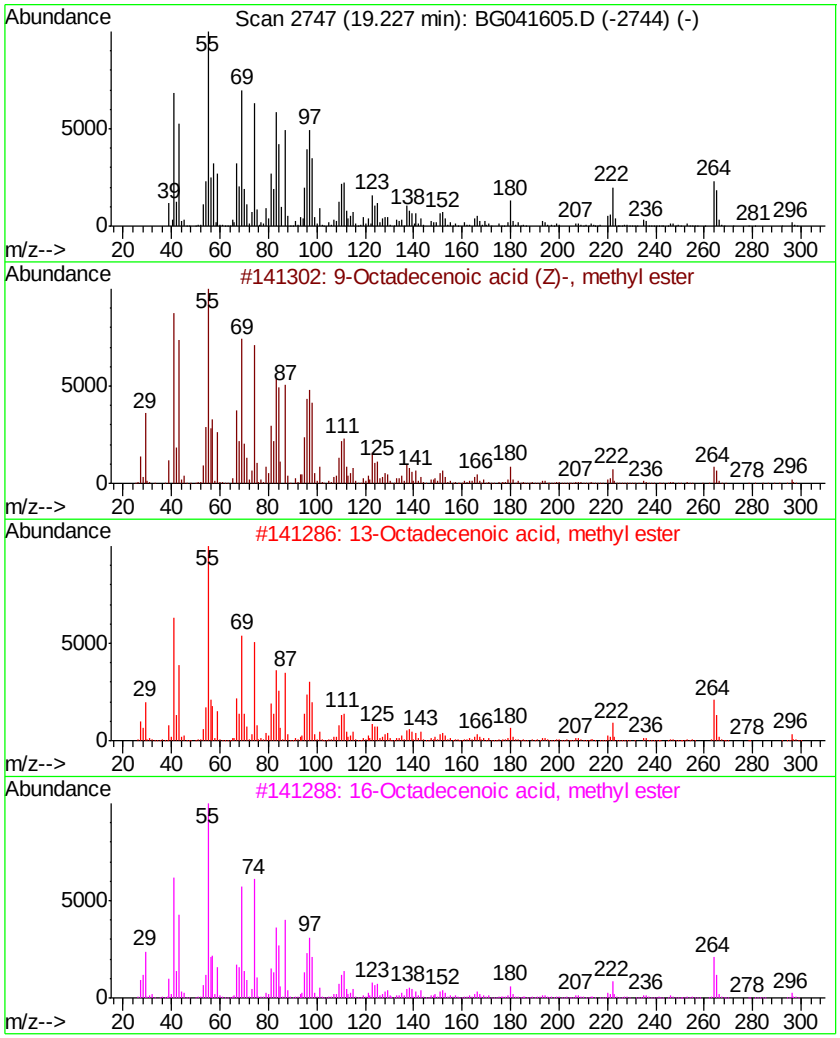
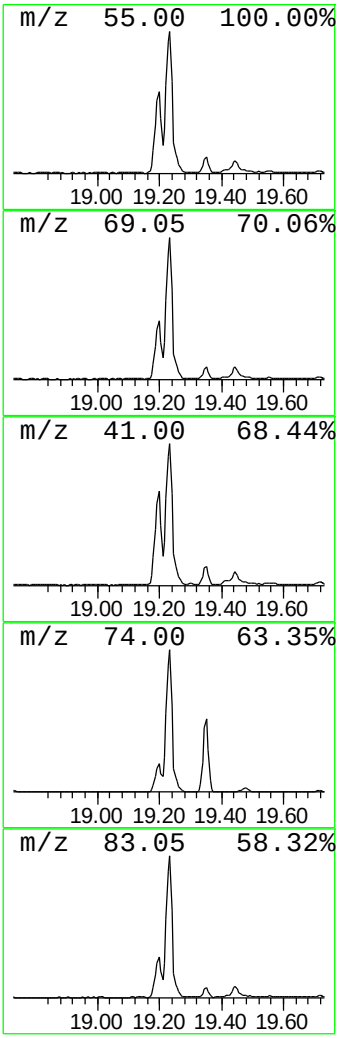
Peak Number 14 9-Octadecenoic acid (Z)-, m... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	409.73 ng	11241300	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
3	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99
4	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	99
5	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	99





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Sample : K3618-01 2X
Misc :
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Instrument : BNA_G
ClientSampleId : HD-01-070219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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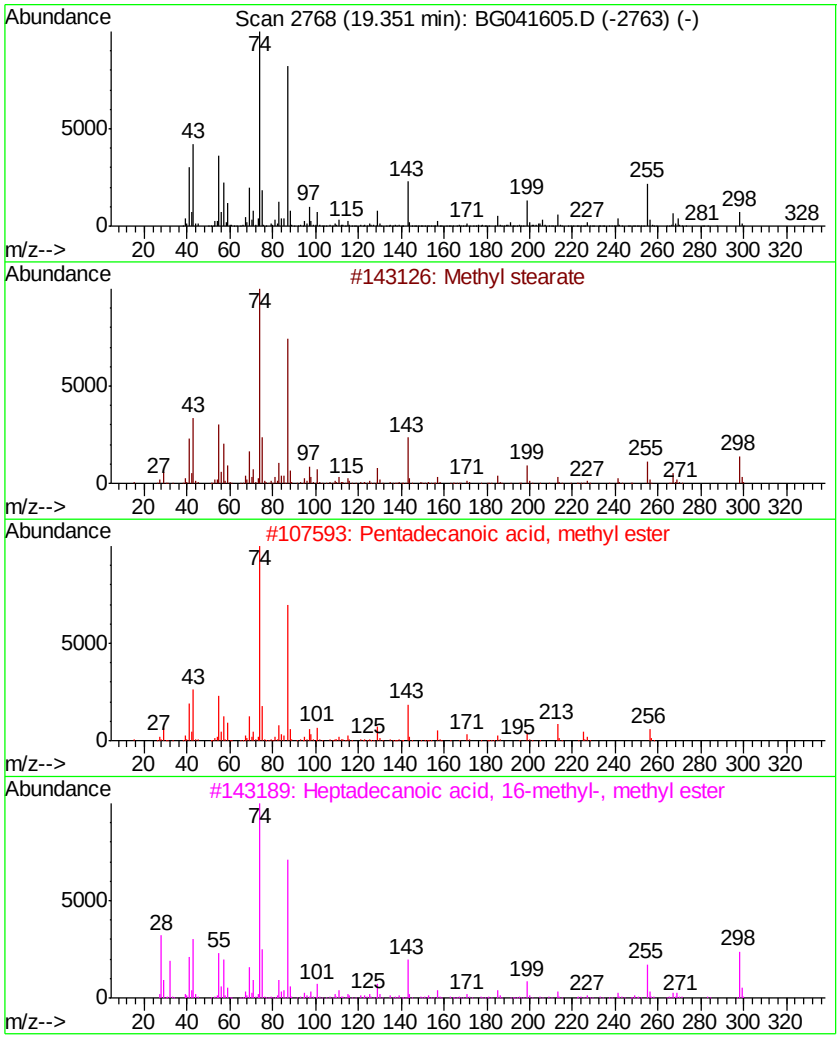
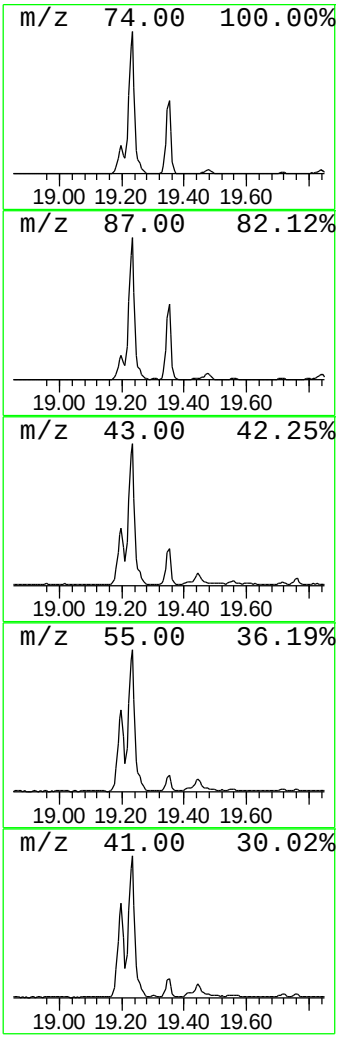
Peak Number 15 Methyl stearate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.35	44.11 ng	1210260	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl stearate	298	C19H38O2	000112-61-8	98
2	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	90
3	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	87
4	Heptadecanoic acid, 15-methyl-, ...	298	C19H38O2	054833-55-5	83
5	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	81





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Misc :
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Instrument : BNA_G
ClientSampleId : HD-01-070219

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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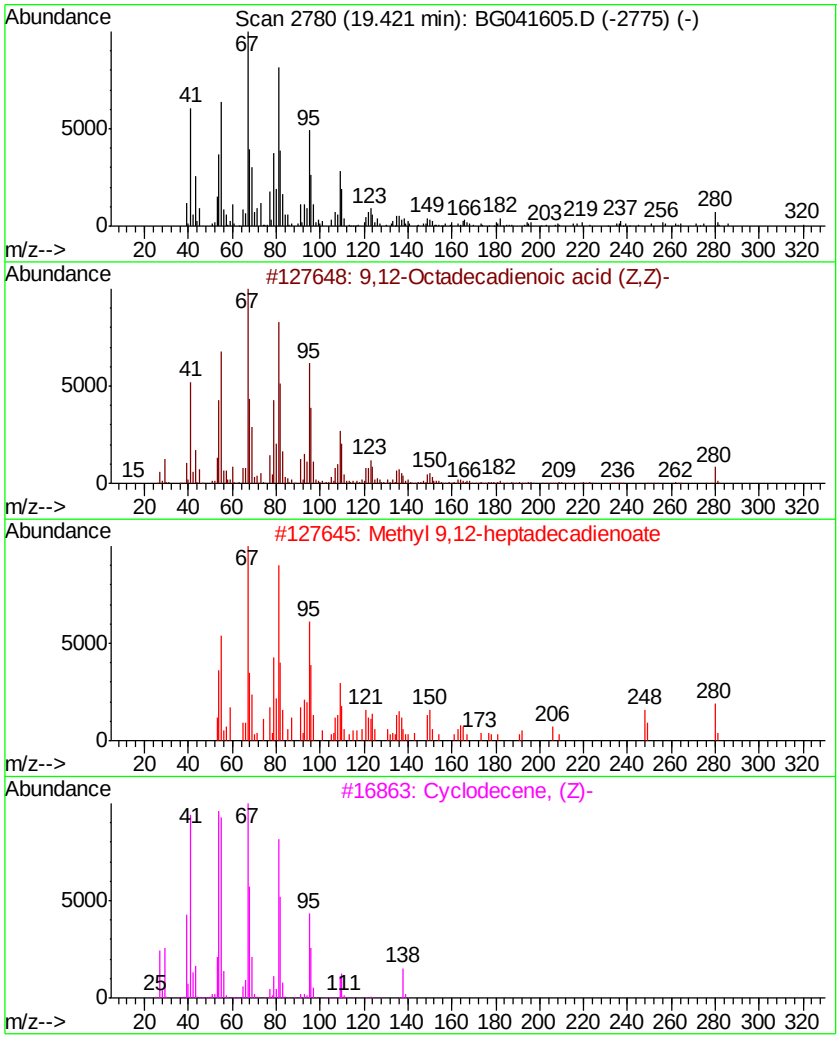
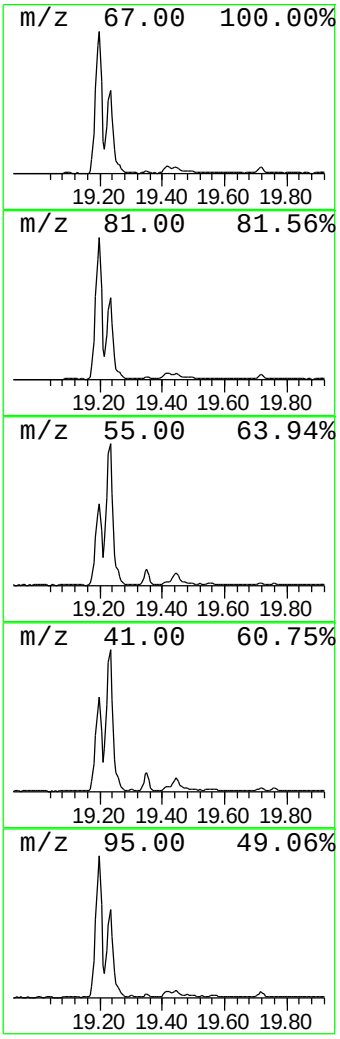
Peak Number 16 Cyclodecene, (Z)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.42	10.14 ng	278178	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid (Z,Z)-	280	C18H32O2	000060-33-3	99
2	Methyl 9,12-heptadecadienoate	280	C18H32O2	1000336-36-2	93
3	Cyclodecene, (Z)-	138	C10H18	000935-31-9	90
4	Bicyclo[2.2.2]octane, 2-methyl-	124	C9H16	000766-53-0	87
5	3,4-Octadiene, 7-methyl-	124	C9H16	037050-05-8	74





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ClientSampleId : HD-01-070219

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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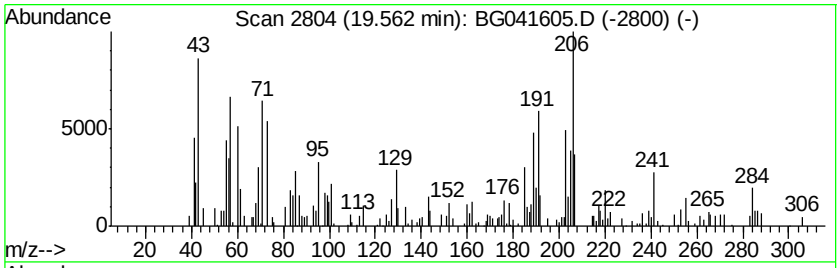
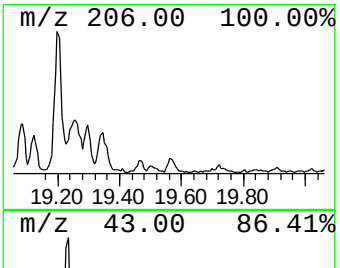
Peak Number 17 unknown19.56 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.56	8.05 ng	220879	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecanoic acid	242	C15H30O2	001002-84-2	47
2	Octadecanoic acid	284	C18H36O2	000057-11-4	42
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	27
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	20
5	Decanoic acid, silver(1+) salt	278	C10H19AgO2	013126-67-5	14





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Data File : BG041605.D
Acq On : 4 Jul 2019 00:51
Operator : HP/JU
Sample : K3618-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-01-070219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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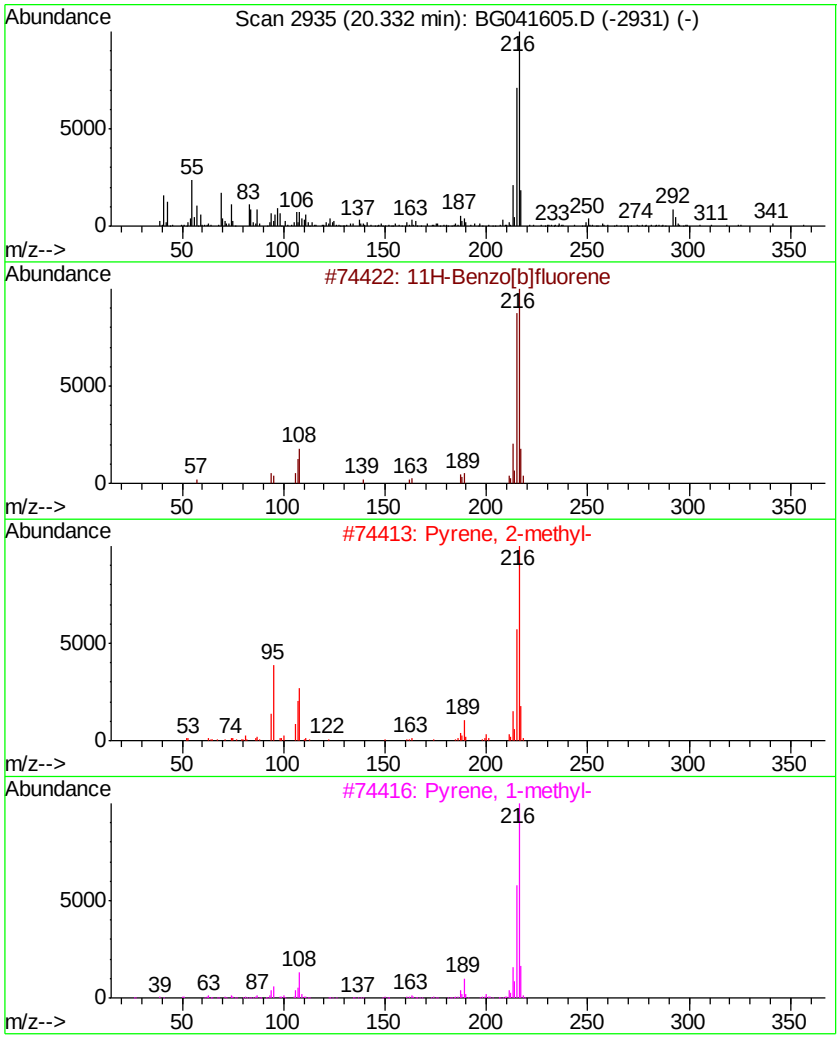
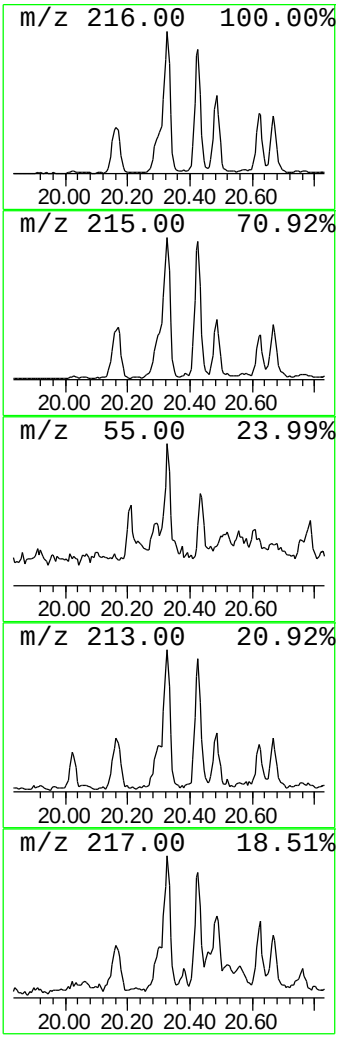
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.33	7.13 ng	504079	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	86
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070319\
Data File : BG041605.D
Acq On : 4 Jul 2019 00:51
Operator : HP/JU
Sample : K3618-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-01-070219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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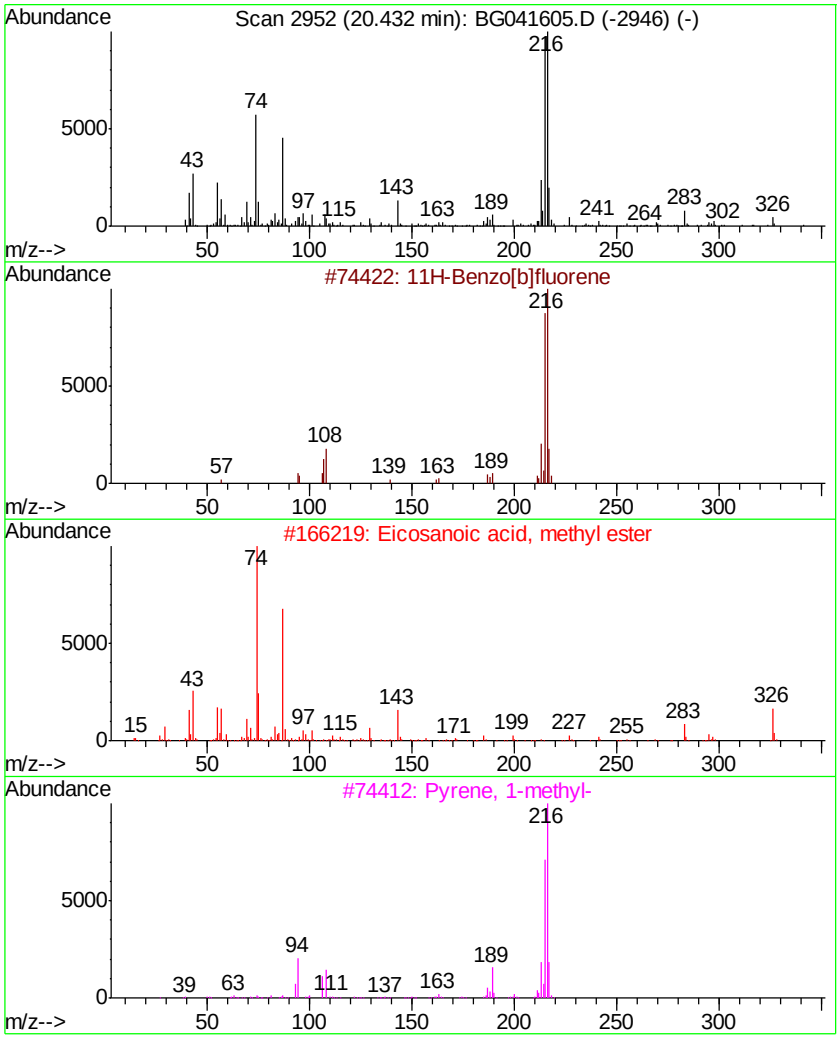
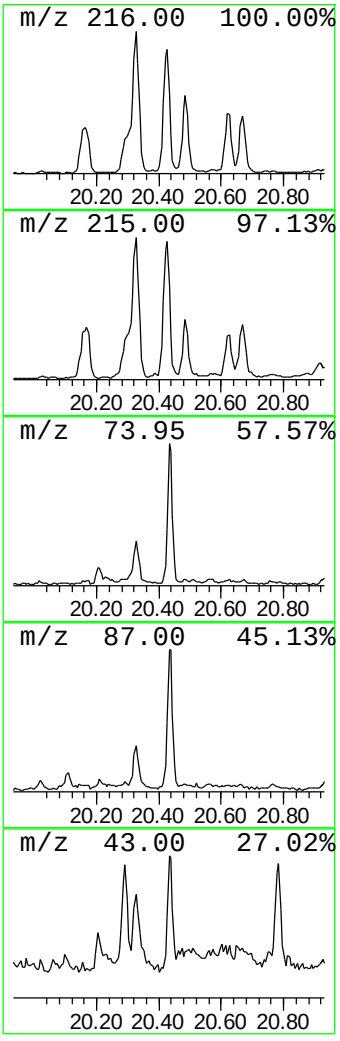
Peak Number 19 Eicosanoic acid, methyl ester Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.43	6.60 ng	466134	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	Eicosanoic acid, methyl ester	326	C21H42O2	001120-28-1	68
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	60
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	53
5	Undecanoic acid, 10-methyl-, met...	214	C13H26O2	005129-56-6	47





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070319\
Data File : BG041605.D
Acq On : 4 Jul 2019 00:51
Operator : HP/JU
Sample : K3618-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-01-070219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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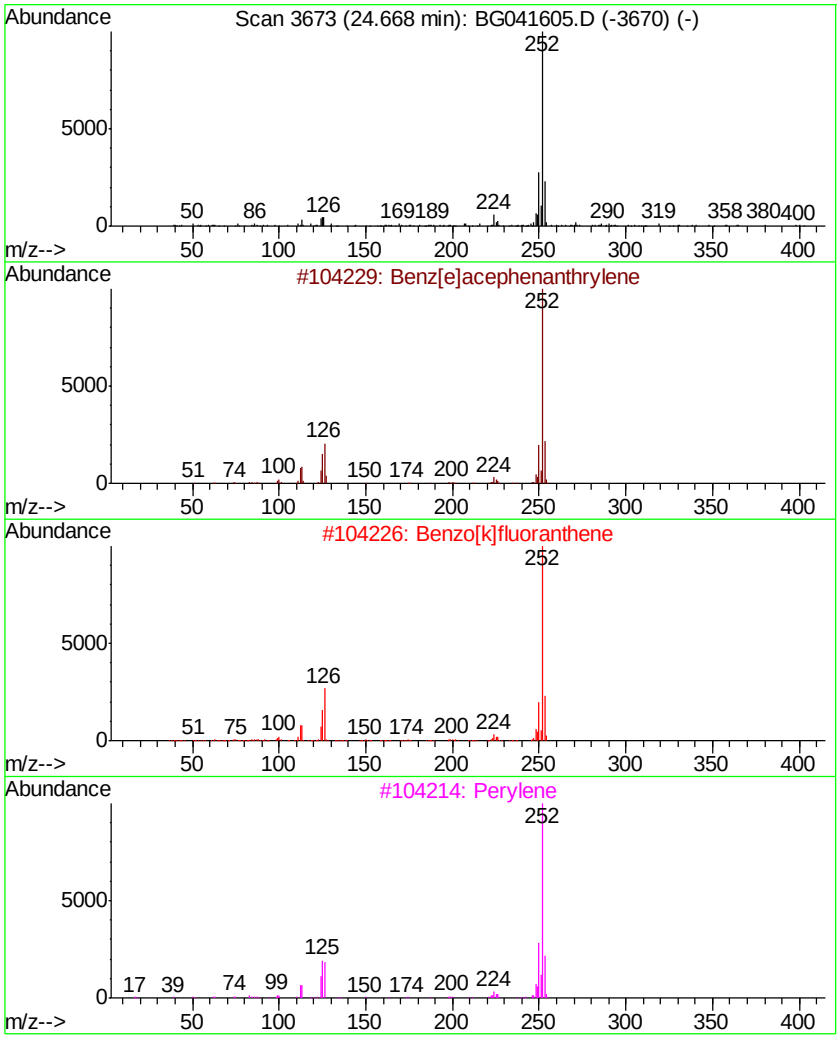
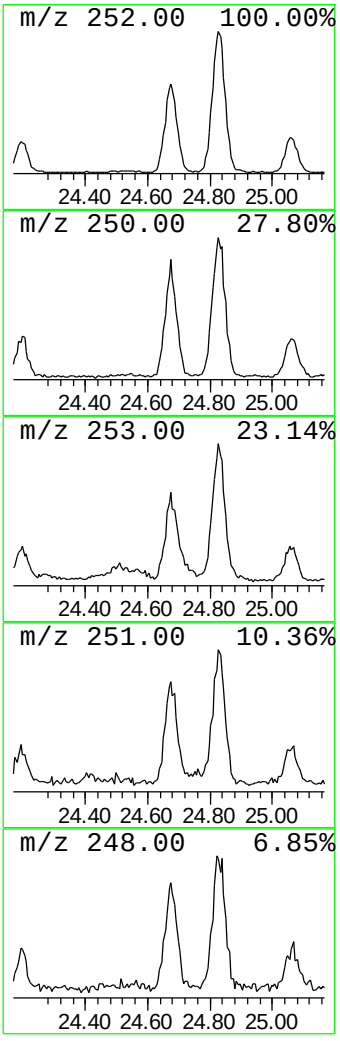
Peak Number 20 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.67	12.79 ng	310549	Perylene-d12	24.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76
3	Perylene	252	C20H12	000198-55-0	68
4	Benzo[e]pyrene	252	C20H12	000192-97-2	64
5	Benzo[a]pyrene	252	C20H12	000050-32-8	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG070319\
Data File : BG041605.D
Acq On : 4 Jul 2019 00:51
Operator : HP/JU
Sample : K3618-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : HD-01-070219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown7.56	7.56	32.7	ng	369488	1	8.03	226143	20.0
Naphthalene, 1,6-...	13.85	8.2	ng	177734	3	14.67	434046	20.0
Naphthalene, 2,3-...	13.99	9.4	ng	204428	3	14.67	434046	20.0
Hexadecane	15.47	8.6	ng	186195	3	14.67	434046	20.0
3-Methyl-4-(metho...	15.88	7.6	ng	165367	3	14.67	434046	20.0
Heptadecane	16.34	10.0	ng	275052	4	17.42	548727	20.0
9H-Fluorene, 2-me...	16.72	6.4	ng	176635	4	17.42	548727	20.0
Hexadecanoic acid...	18.05	88.1	ng	2417400	4	17.42	548727	20.0
Phenanthrene, 1-m...	18.29	20.0	ng	549770	4	17.42	548727	20.0
Phenanthrene, 2-m...	18.35	12.3	ng	337434	4	17.42	548727	20.0
4H-Cyclopenta[def...	18.49	20.7	ng	568141	4	17.42	548727	20.0
9,12-Octadecadien...	19.20	270.5	ng	7420930	4	17.42	548727	20.0
9-Octadecenoic ac...	19.23	409.7	ng	11241300	4	17.42	548727	20.0
Methyl stearate	19.35	44.1	ng	1210260	4	17.42	548727	20.0
Cyclodecene, (Z)-	19.42	10.1	ng	278178	4	17.42	548727	20.0
unknown19.56	19.56	8.1	ng	220879	4	17.42	548727	20.0
11H-Benzo[b]fluorene	20.33	7.1	ng	504079	5	21.70	1413380	20.0
Eicosanoic acid, ...	20.43	6.6	ng	466134	5	21.70	1413380	20.0
Benzo[e]pyrene	24.67	12.8	ng	310549	6	24.99	485802	20.0